

### \* Before You Get Started

The Evergreen Spectra processor upgrade kit contains everything needed to install the upgrade. Gather your system manual as a reference to answer specific questions about your system.

The kit includes: processor upgrade module (CPU with heatsink/cooling fan and retaining clip), this installation guide, an INSTALL disk, CD of utilities, technical manual, warranty card, owner registration diskette, and a free mailer to send back your registration diskette.



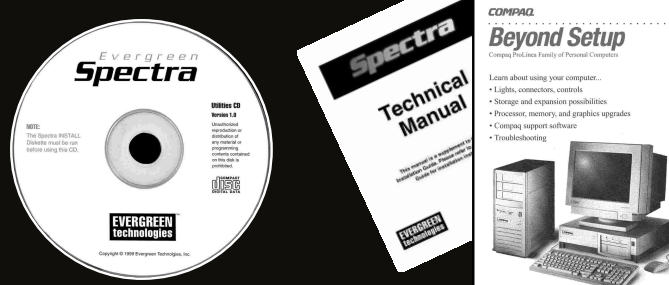
Upgrade Module

INSTALL Software & Registration Diskettes

## 1 Read Entire Installation Guide Before Proceeding

Gather the following items:

- 4 Tool for opening the system case (usually a screwdriver)
- 4 Motherboard and system manuals
- 4 Spectra upgrade module
- 4 INSTALL diskette and CD
- 4 Technical manual



Utilities CD

Technical Manual & Sample System Manual

## 2 Run INSTALL Software

Shut down your computer properly. Insert the INSTALL diskette into drive A. (Fig. 2-1) If the Spectra INSTALL diskette does not boot when you turn the system on, please refer to the Technical Manual for details. INSTALL will display system and performance information (please print this information for your records). The INSTALL software will then direct you through the next installation steps. Follow the onscreen instructions to either install a BIOS upgrade or to skip this step. (If you have questions about the different options, refer to the Installation Flowchart in the Technical Manual.) NOTE: THE INSTALL DISKETTE CAN ONLY BE USED ONCE.

Dhrystones:   
Mediastones:



Fig. 2-1

## 3 Upgrade BIOS if Necessary

The INSTALL program will tell you whether your system requires A) a BIOS upgrade, B) a BIOS update (Fig. 3-1), or C) no modification. Only the BIOS upgrade option (A) requires use of the CD-ROM:

- A. Your system requires a BIOS upgrade. The program will guide you through the process described in steps 4 & 5.
- B. Your system requires a BIOS update. Please choose the "Update BIOS" option to proceed.
- C. No BIOS update required. Proceed with the installation by skipping to step 6.

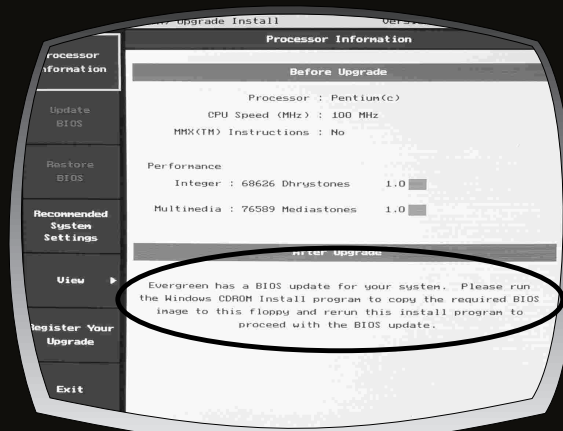


Fig. 3-1

## 4 Upgrading ("Flashing") the BIOS

- A. After INSTALL indicates Evergreen has a BIOS upgrade for the system, exit out of the program by hitting the ESCAPE key and hit ENTER twice.
- B. Remove INSTALL diskette from drive A and restart the system so it automatically loads Windows Operating System.
- C. Insert the INSTALL diskette into drive A.
- D. Insert the CD into the CD-ROM drive. (Fig. 4-1) If the program does not start automatically, run SETUP.EXE from the CD. Follow the onscreen instructions to copy the BIOS upgrade files.
- E. Exit Windows, insert INSTALL diskette in drive A, and restart the system.
- F. In the "After Upgrade" section, INSTALL will display "Evergreen has a BIOS update for your system. Please choose the 'Update BIOS' option to proceed." (Fig. 4-2) The top of the screen will read "Type of Flash Loader:" followed by either "MR BIOS" (Fig. 4-3) or "Award." (Fig. 4-4)
- G. If INSTALL lists the type of Flash Loader as "MR BIOS," continue with the MR BIOS update section below. If INSTALL indicates "Award" as the type of Flash Loader, continue with the Award BIOS update section below. IMPORTANT: DO NOT TURN THE SYSTEM OFF DURING THIS PROCESS! IF YOU DO, IT WILL RENDER YOUR SYSTEM INOPERABLE.



Fig. 4-1

### MR BIOS Update

Follow the onscreen instructions to perform steps A-D below. DO NOT CHANGE THE DEFAULT COMMAND LINES PRESENTED BY THE PROGRAM.

- A. Make a backup copy of your existing BIOS (so you can restore later if necessary).
- B. Verify that a backup BIOS image was created.
- C. Install the new BIOS in your system.
- D. Exit program to restart the system. Skip to step 5.

### Award BIOS Update

- A. INSTALL presents a new screen. Follow the instructions and press the ENTER key.
- B. The "BFLASH LOADER UTILITY" screen appears. This automated process creates a backup of your existing BIOS, verifies a successful backup, and installs a new BIOS on your system. Note the onscreen progress bar and please wait while the program executes these steps.
- C. Once the BIOS upgrade is complete, the program will prompt you to either press F10 to EXIT or F1 to RESET. (Fig. 4-5) DO NOT PRESS F1! Press F10, remove the INSTALL diskette, and restart the system.
- D. The boot process will be interrupted by this message: "CMOS checksum error - Defaults loaded." THIS IS NORMAL AND DOES NOT CAUSE ANY HARM TO YOUR SYSTEM. Press F1 to continue the boot process. The CMOS error is fixed and will not occur again.
- E. Proceed to step 5.

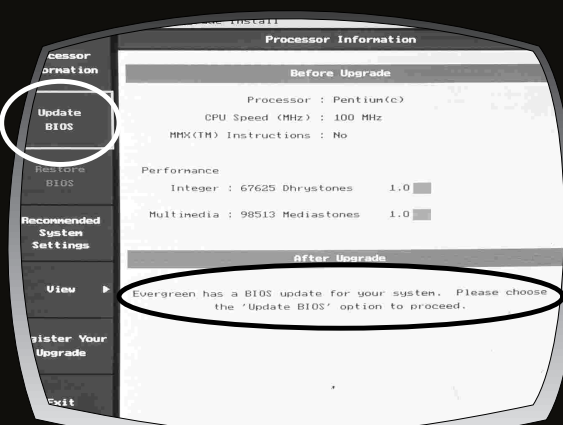


Fig. 4-2

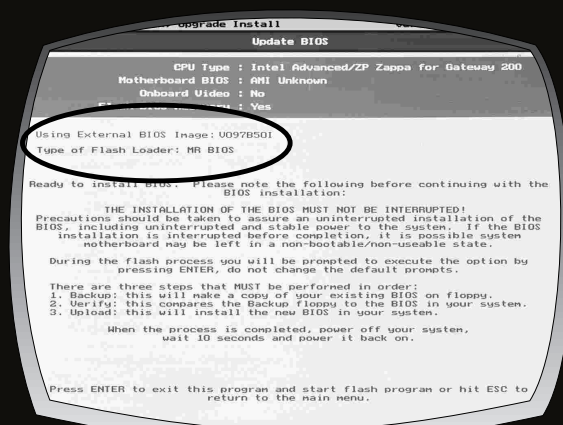


Fig. 4-3

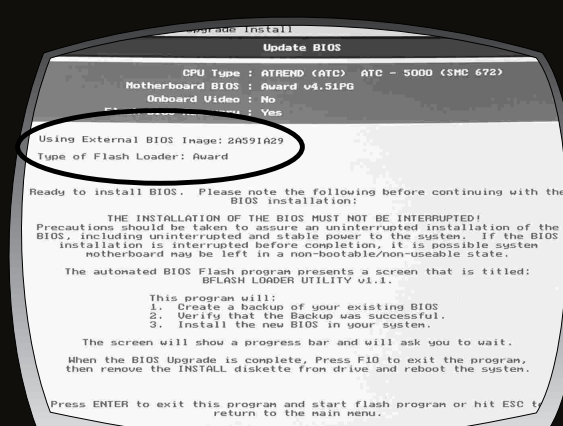


Fig. 4-4

## 5 Test BIOS Upgrade

- A. Remove the INSTALL diskette from drive A.
- B. When you restart, the system will display "Battery Backed Memory (CMOS) Is Corrupt" and jump into the CMOS settings. THIS IS NORMAL AND DOES NOT CAUSE ANY HARM TO YOUR SYSTEM.
- C. Wait 20 seconds and the system will save the default settings automatically. Your system will then restart normally.
- D. Restart into Windows and run standard applications to verify that the system is running correctly.
- E. Check that all accessories (printers, modems, etc.) are functioning properly.
- F. Consult the Technical Manual if your system is not functioning properly.
- G. If everything runs correctly, move to step 6.

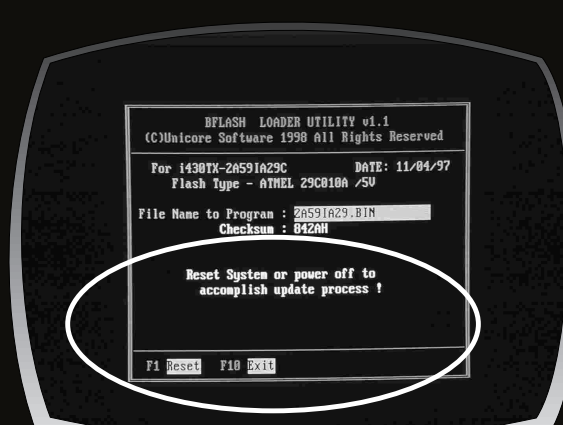


Fig. 4-5